



February 1, 2010

Mr. Nelson Daniel
HQ CAP/LGM
105 South Hansell Street
Maxwell AFB, AL 36112

Mr. Daniel,

The Civil Air Patrol requested clarification concerning the standby battery test performed during the STARTING ENGINE procedures in SECTION 4 of the Pilot's Operating Handbook and FAA Approved Airplane Flight Manual (POH/AFM).

As you know there are two families of Cessna single engine aircraft that are equipped with the "NAV III" G-1000 navigation system:

NAV III equipped Model 172R/S, 182T/ T182T and 206H/ T206H built from 2004 through 2006 and equipped with the Bendix-King KAP-140 autopilot system option are referred to in the POH/AFM as "**NAV III AVIONICS OPTION**". I should note that 172R/S aircraft produced in 2007 fall in this category.

For these same models of aircraft produced from 2007 and on, 2008 and on for the model 172R/S, are referred to in the POH/AFM as "**NAV III AVIONICS OPTION – GFC 700 AUTOPILOT**".

Concerning the standby battery test in SECTION 4 of the POH/AFM the current NAV III AVIONICS OPTION – GFC 700 AUTOPILOT aircraft have had a change to this test that reduces the test time from 20 seconds to 10 seconds as illustrated below in the POH/AFM excerpt:

SECTION 4 CESSNA

NORMAL PROCEDURES MODEL 182T NAV III
GFC 700 AFCS

STARTING ENGINE (With Battery)

4. STBY BATT Switch:

a. TEST - (hold for 10 seconds, verify that green TEST lamp does not go off)

STARTING ENGINE (With External Power)

4. STBY BATT Switch:

a. TEST - (hold for 10 seconds, verify green TEST lamp does not go off)

The aircraft that fall into the NAV III AVIONICS OPTION group are slated to have the POH/AFM's revised sometime in the near future to incorporate the 10 second standby battery test.

Cessna Electrical Engineering has no technical objection to have your flight crews adopt the 10 second test for your NAV III AVIONICS OPTION equipped aircraft until this change is implemented in the POH/AFM.

Thank you for the opportunity to assist you and feel free to contact me if you have any questions.

Sincerely,



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